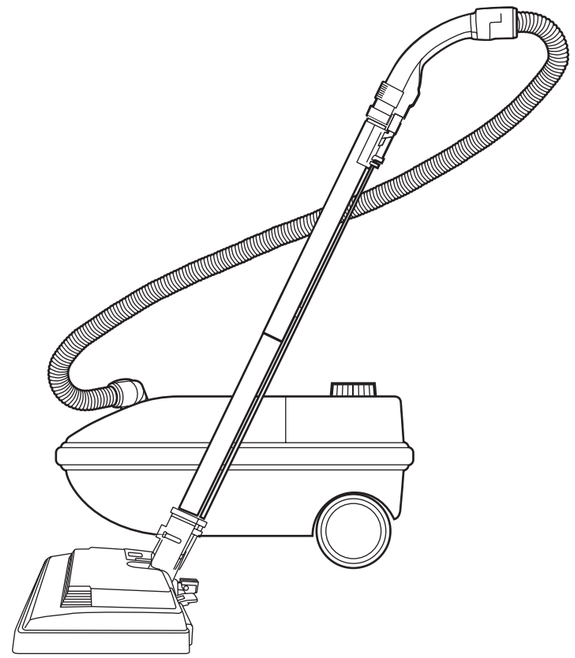
ORDER NO. MAC 040203U
E4

Service Manual

Vacuum Cleaner

MC-V9626 00



■ SPECIFICATIONS

Model	MC-V9626 00
Power Source	AC 120V (60 Hz)
Power Consumption	12.0 Amps
Cord Length	20 Ft.
Headlight	Yes
Tools-On-Board	Yes

Specifications are subject to change without notice for further improvement.

Panasonic®

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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■ CARBON BRUSH REPLACEMENT

Removal and Installation

1. Complete brush change on one side before starting on the other side.

2. There are two (2) brushes located on the motor as identified by *(Fig. 19)*.

3. Remove the brush assembly by using a Phillips head screwdriver to remove the screw that holds the brush holder onto the motor.

4. See (*Fig. 19)* for screw location.

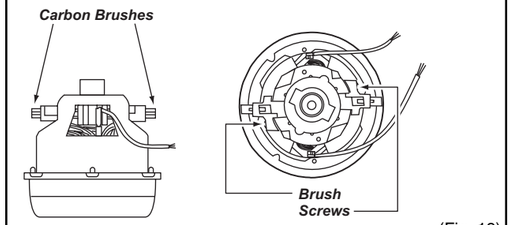
NOTE: Do not drop screws into the motor.

5. Place new brush assembly on the motor.

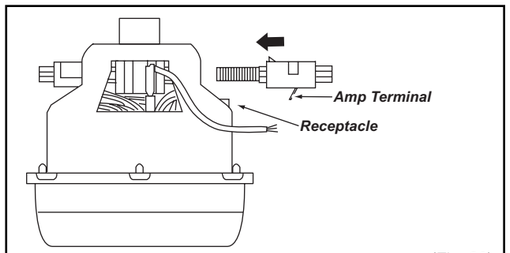
NOTE: Make sure that the amp terminal on the bottom of the brush assembly is inserted into the receptacle on the motor, *(Fig. 20).*

6. Replace the Phillips screw that was removed.

7. Repeat steps 1-3 for the other brush assembly.



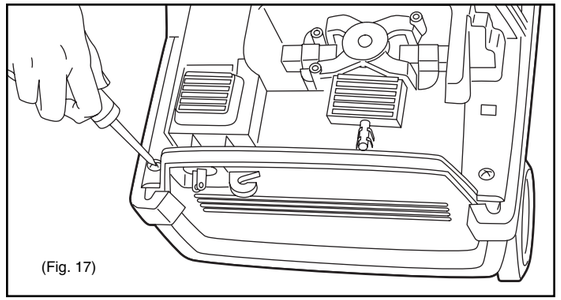
(Fig. 19)



(Fig. 20)

■ MOTOR REPLACEMENT

The canister motor can be replaced in its entirety or it can be serviced by replacing the fan assembly or the carbon motor brushes. Follow the preceding instructions to gain access to the motor.


(Fig. 17)

To Replace:

1. Remove the canister hood, canopy cover, motor shield, cord reel button, switch button and cord reel lock assembly (See pages 7 and 8 for parts identification).

2. Remove the two (2) canopy screws at the rear of the canopy, (Fig. 17).

3. Lift up the canopy and rock it towards the front of the cleaner to remove.

4. Remove the two (2) switch wires.

5. Hold the cord reel bracket and pull enough of the power cord out to get the canopy cover out of the way.

6. Secure the power cord to prevent retracting as you are servicing the motor.

To Remove:

1. Remove the wire tie that is holding the wires in a cluster.

2. Remove the wire nuts.

3. Take loose the white and black motor wires.

CAUTION: Note the position of the metal motor plate; part of the plate has a rubber protrusion with a small hole that mounts over a plastic peg when reinstalling the motor.

NOTE: The motor should be positioned with the thermal protector facing towards the front of the canister.

■ CORD REEL REMOVAL

TO REMOVE:

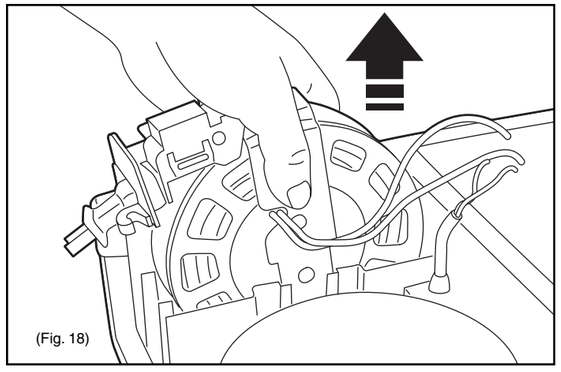
1. Disconnect both cord reel wires.

2. Lift the cord reel straight up to remove.

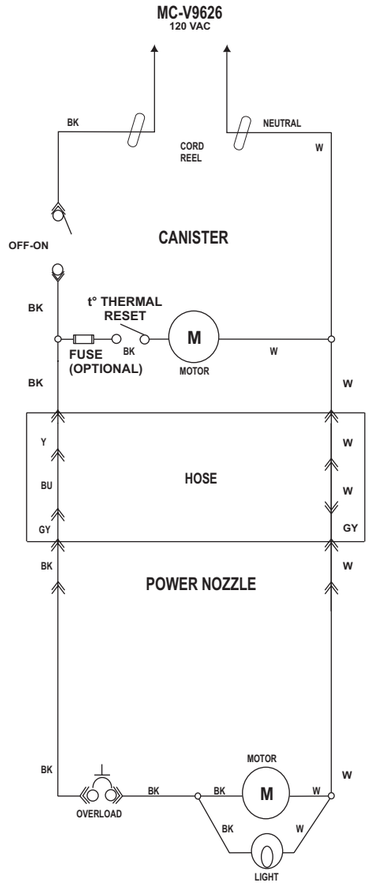
3. To remove the power cord head from out of the cord lock assembly the black brake part will have to be removed.

4. Do this by prying it out of the retainers.

5. Note the position of the small spring for reassembly, (Fig. 18).

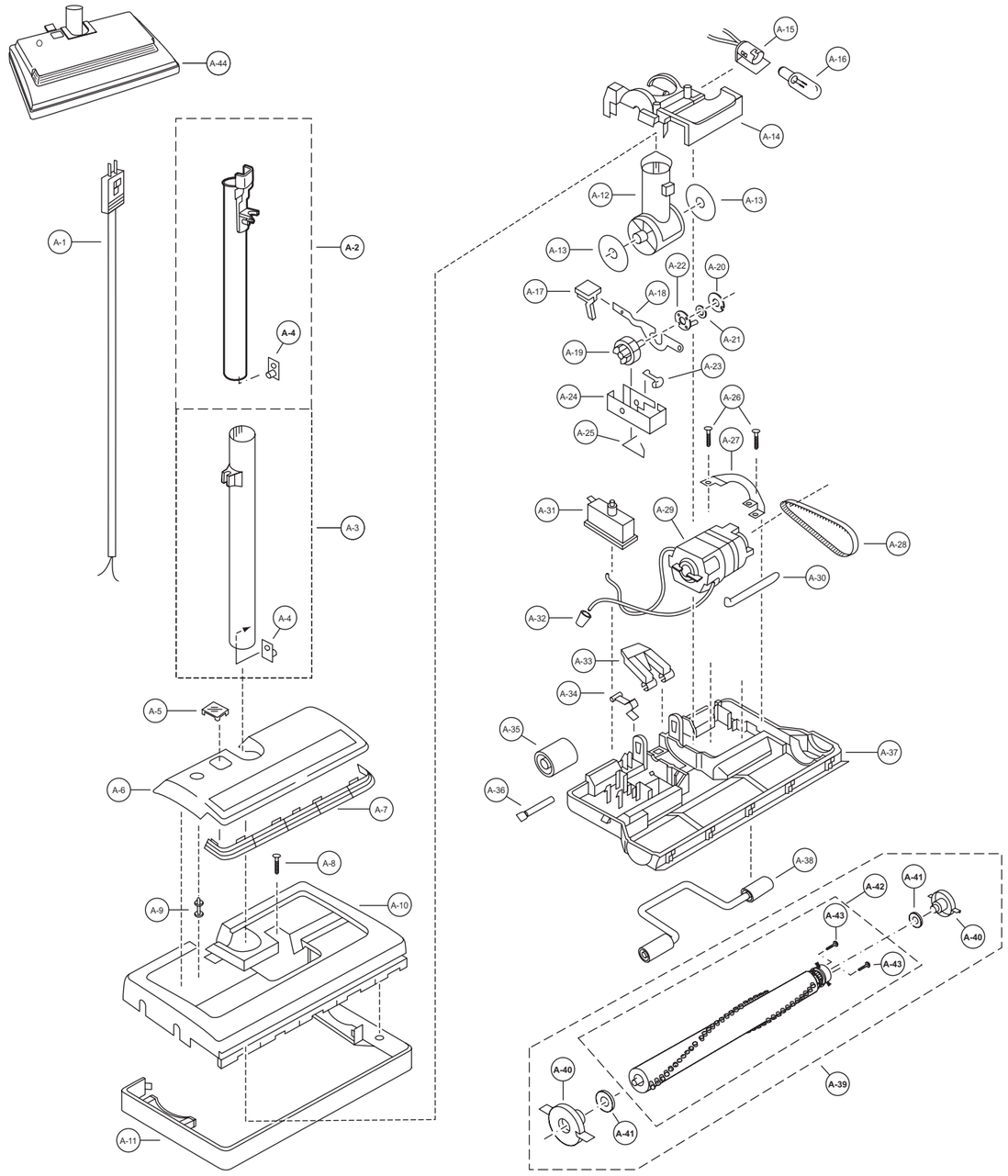

(Fig. 18)

■ SCHEMATIC DIAGRAM



■ EXPLODED VIEW (POWER NOZZLE, AND AGITATOR ASSEMBLY)...

A BLOCK

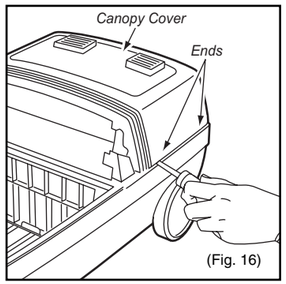


■ REPLACEMENT OF CANISTER AND RELATED PARTS

■ CANOPY COVER

To Remove:

The canopy cover has a place on each of the four (4) corners where it is locked in place.



(Fig. 16)

1. Place a very small flat blade screwdriver under the side corner as indicated by the arrow in the illustration, (Fig. 16).

2. Pry out until the corner stays out.

3. After popping this corner loose move the screwdriver to the rear corner on the same side.

4. Place the screwdriver under the canopy cover in the same position as the other end was done.

5. Pry out until the cover is loose on this end.

6. Once the corners are free on one side there is no need to pry on the other side.

7. Raise the cover towards the opposite side until it comes off.

To Replace:

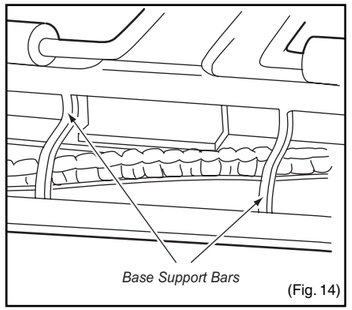
1. Set the canopy cover in position and rap it down on the two (2) corners closest to the power cord end.

2. Tap the other end down to seat both corners.

■ SERVICE PROCEDURE (AGITATOR BRUSH)

■ BRUSH CHECKING

Replace the agitator brush if brushes are badly worn. Lay a straight edge across the base supports and rotate the agitator brush dowel. The brushes should extend past the brush supports, (Fig. 14). Pages 9 and 10.



(Fig. 14)

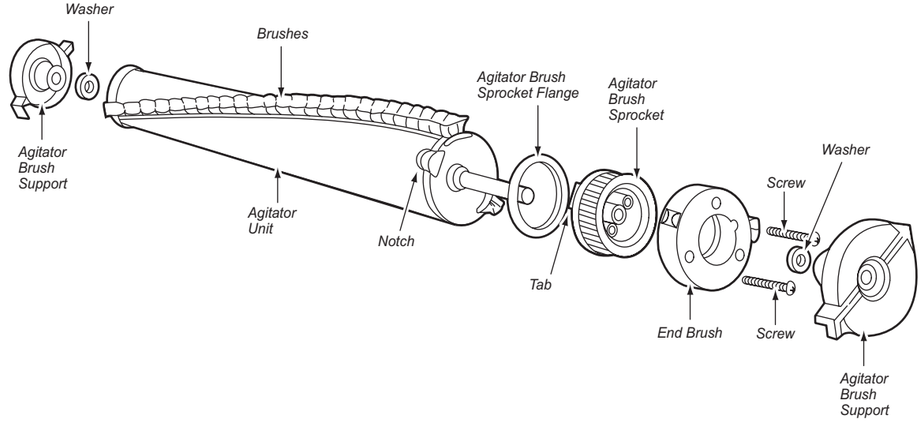
■ AGITATOR BRUSH REPLACEMENT

1. Remove light cover and light lens, (see Headlight Replacement Fig. 1).
2. Remove nozzle cover, (see Belt Replacement Figs. 4, 5, and 6).
3. Remove the brush supports and washers.

   NOTE: Do not lose the washers.

4. Remove the two (2) screws, end brush, sprocket and sprocket flange.
5. Discard the old agitator unit.
6. Place the flange and spocket on the new agitator unit so the sprocket tab is aligned with the slot on the agitator unit, (Fig. 15).
7. Place the end brush so the end brush tab is aligned with the slot in the sprocket. Turn the end brush while pushing back. It should slip into place. Secure with the two (2) screws, (Fig. 15).
8. Install the two (2) washers and two (2) brush supports and lower the agitator assembly into the base. Place the belt around the motor shaft and the agitator sprocket. Snap brush supports into place.
9. Replace the nozzle cover, screws and light cover, (see Belt Replacement steps h, i, and j).

AGITATOR ASSEMBLY

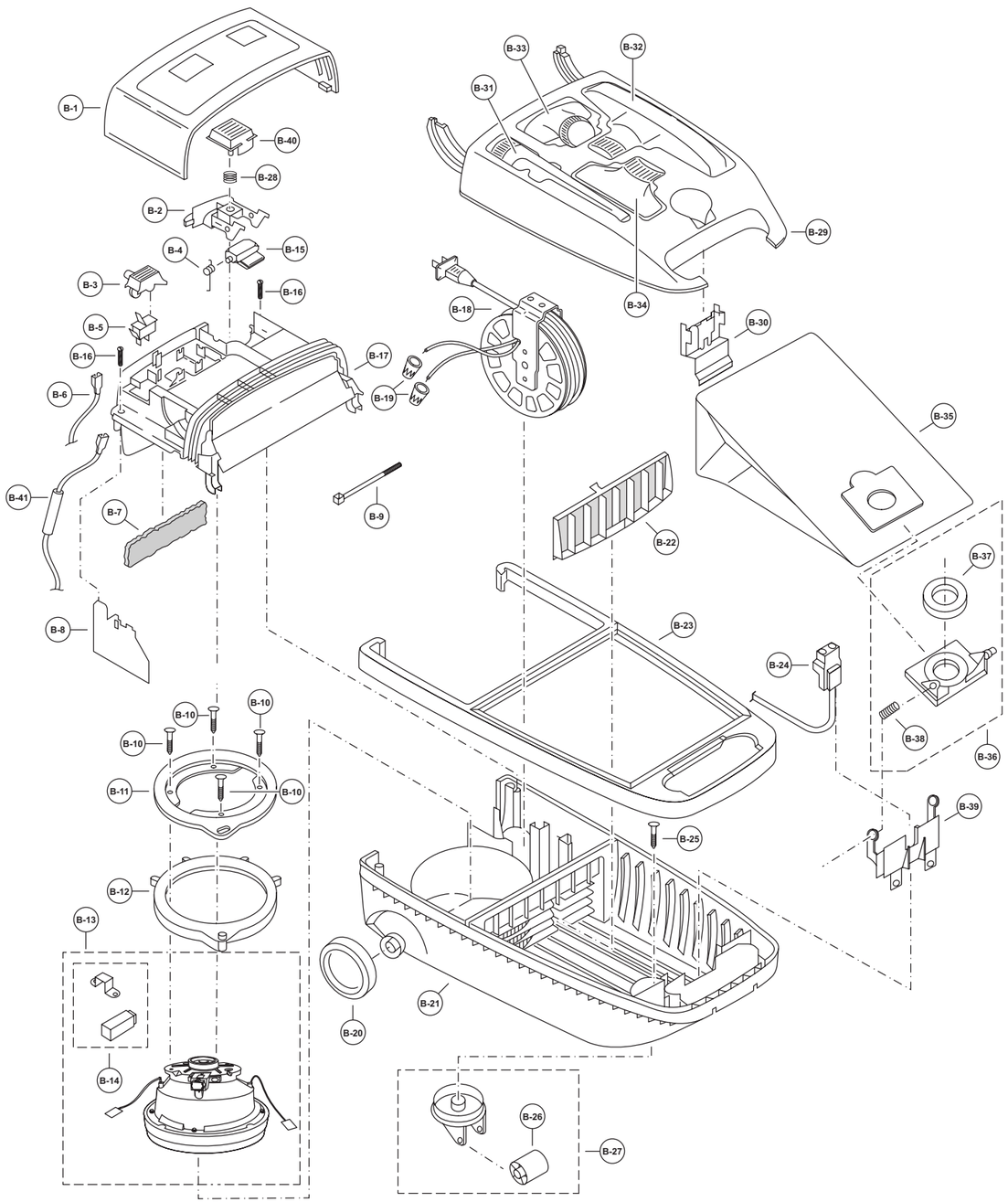


(Fig. 15)

■ PARTS LIST (POWER NOZZLE, AND AGITATOR ASSEMBLY)... [A] BLOCK

Ref. No.	Part Name & Description	Part No.	Quantity	Remarks
A – 1	Cord Unit	AC73EAWXZVØ6	1	
A – 2	Wand Assembly, Upper	AC97PAKZZVØ6	1	
A – 3	Wand Assembly, Lower	AC99PMMZVØ6	1	
A – 4	Lock, Spring Wand	AMC725-419	2	
A – 5	Lens, Height Adjustment	AMC744-237	1	
A – 6	Power Head Cover	AC24HBTWZBUD	1	
A – 7	Lens, Light Cover	AMC744-119	1	
A – 8	Screw, Nozzle Cover	AMC681-55Ø	2	
A – 9	Extension, Button	AMC744-28Ø	1	
A – 10	Cover, Nozzle	ACØ2RSRZBØD	1	
A – 11	Guard, Furniture	AC1ØASRZVØ7	1	
A – 12	Swivel	AMC415-5Ø49	1	
A – 13	Seal, Swivel	AMC742-Ø19	2	
A – 14	Swivel Cap	AC25QMGZBØD	1	
A – 15	Socket, Bulb	AMC414-8683	1	
A – 16	Bulb, Headlight	AMC596-181	1	
A – 17	Pad, Foot Pedal	AC48AMGZVØ6	1	
A – 18	Lever, Indicator	AMC747-287	1	
A – 19	Cam, Indicator	AMC725-725	1	
A – 20	Washer, Thrust	AMC722-9Ø9	1	
A – 21	Washer	AMC725-635	1	
A – 22	Catch, Indexing	AMC722-955	1	
A – 23	Ratchet, Catch	AMC742-Ø16	1	
A – 24	Indicator Block	AMC742-Ø15	1	
A – 25	Spring, Assist	AMC725-775	1	
A – 26	Screw, Motor Bridge	AMC681-297	2	
A – 27	Bridge, Motor	AMC7Ø5-Ø93	1	
A – 28	Cog, Belt (Type CB-5)	AMC743-411	1	
A – 29	Motor, Nozzle	AC9ØFAWBZØØØ	1	
A – 30	Spring, Motor Adjust	AMC742-ØØ2	1	
A – 31	Overload, Protector	AMC742-332	1	
A – 32	Connector, Wire	AMC-1CTCE23	1	
A – 33	Release, Handle	AC47AGJZVØ6	1	
A – 34	Lifter	AMC742-Ø13	1	
A – 35	Roller, Rear	ACØ1CAKZZVØ6	2	
A – 36	Axle, Rear	AMC742-ØØ6	2	
A – 37	Base	AMCØ3RGJZUØ1	1	
A – 38	Axle Assembly, Front	AMC744-Ø29	1	
A - 39	Agitator Assembly	AMC415-63Ø5	1	Includs items A-40 through A-43
A - 40	Bearing/Housing Assembly	AMC743-395	2	
A - 41	Washer	AMC681-424	2	
A - 42	Agitator Balanced	AMC415-636Ø	1	
A - 43	Screw (End Brush)	AMC681-6Ø5	2	
A - 44	Power Nozzle Assembly	AC5ØXCBVZBØD	1	May be ordered as complete assembly

■ EXPLODED VIEW (CANISTER AND MOTOR ASSEMBLY)… [B] BLOCK



■ MOTOR AND POWER NOZZLE SPECIFICATIONS

1. 120V., 60Hz.
2. Amps 2.0/2.7 (max.) at 18,000/14,550 R.P.M.
3. Watts 225/298 (max.) at 18,000/14,550 R.P.M.
4. Torque 55/100 Nm at 18,000/14,550 R.P.M.

■ MOTOR REPLACEMENT

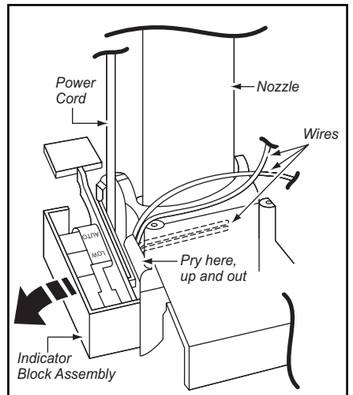
1. Remove light cover, nozzle cover and brush assembly, (see 2.0 Belt Replacement steps a, b, c, d, e, and f). Pages 9 and 10.
2. Remove two (2) motor bridge screws. Lift out bridge and motor.

   NOTE: Observe routing of motor wires and all other wiring before removing motor.

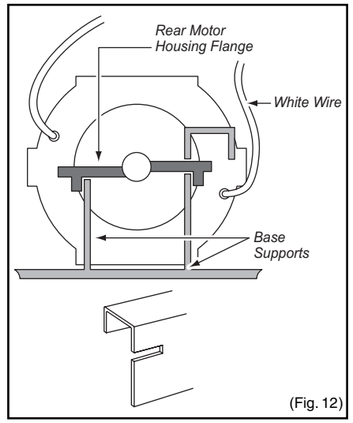
3. Hook a finger under the center of the overload protector and lift to free it from the retaining tabs. Remove the overload protector wire terminals. Check continuity by depressing the button completely. When the button is released there should be continuity between the two poles when checked. If all components and items in the troubleshooting guide have been checked and the overload protector continues to trip, it should be replaced.
4. Insert a flat screwdriver blade between the indicator block assembly and the plastic retainer for the four (4) wires. Pry up and out to free the indicator block assembly from the retaining tabs, (Fig.11).
5. Unscrew wire nuts to free motor lead wires.
6. Install new motor. Assure motor is fully seated on all four (4) front and rear base supports. Rear motor housing flange should be in slot of base support, (Fig. 12).

   CAUTION: Do not pinch white wire.

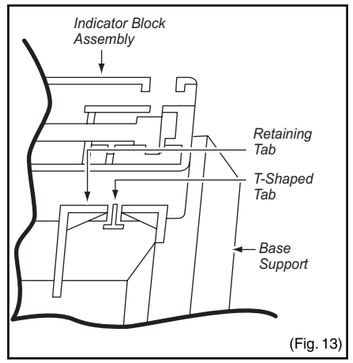
7. Install motor bridge and secure with two (2) screws.
8. Reroute all wiring per original layout utilizing wire retainers provided, and proper placement of wires to prevent pinching of wires and interference when reinstalling the indicator block assembly. Connect wires and apply wire nuts, (reference wiring diagram page 3).
9. Install indicator block assembly. Holding the assembly at a slight angle, insert the edge of the part behind the retaining tabs (use T-shaped tab on assembly to align in slot of retaining tab) (Fig.13). With fingers lifting base off the floor (to free front axle) use both thumbs to push the indicator block assembly down until it snaps in place.
10. Install the overload protector by snapping into position between the two retaining tabs and with one end pushed up against the indicator block assembly.
11. Replace remaining parts by following steps g, h, i, and j of 2.0 Belt Replacement. Pages 9 and 10.



(Fig. 11)



(Fig. 12)



(Fig. 13)

5. Carefully insert and twist a screwdriver between each brush support and the base, to free the brush assembly, (Fig. 7).
6. Lift the brush assembly to slide off the old belt, (Fig. 8).
7. Place the new belt on the brush and motor drive sprockets. Lower the brush assembly into the base. Snap brush supports into place, (Fig. 9).
8. To replace the nozzle cover engage the front tabs first, then press down on both sides to lock the side tabs, (Fig. 10).
9. Replace the nozzle cover screws.

   NOTE: Do not overtighten. Overtightening could strip the screw holes.

10. Replace the headlight cover, (see 1.0 Headlight Replacement Fig. 3). Page 9.

    NOTE: Be sure red belt protector button extension is in place and aligned in cover opening.

CORD AND PLUG REPLACEMENT

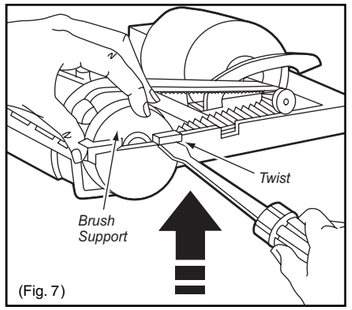
1. Remove light cover, lens and nozzle cover, (see 2.0 Belt Replacement step a, b, c, and d). Pages 9 and 10.
2. Remove overload protector and indicator block assembly, (Fig.11).
3. Remove cord and plug assembly.

   NOTE: Carefully observe routing of the power cord and all related wiring before it is removed.

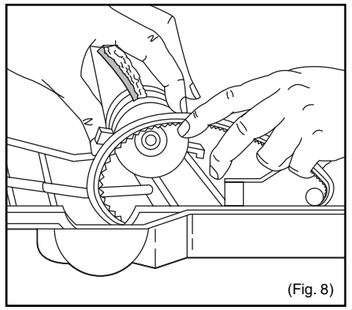
4. Unscrew wire nut and remove white wire; remove black wire terminal from overload protector.
5. Remake wiring connections with new power cord and reroute all wiring per original layout to prevent interference with the installation of the indicator block assembly.
6. Reinstall parts.

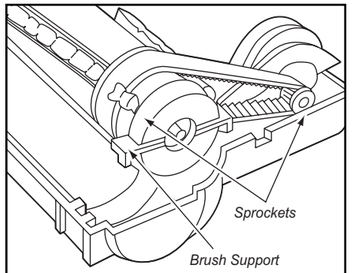
OVERLOAD PROTECTOR

1. See 5.1 Motor Replacement step c. Page 11.

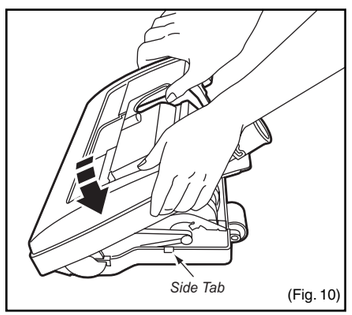


(Fig. 7)


(Fig. 8)



(Fig. 9)



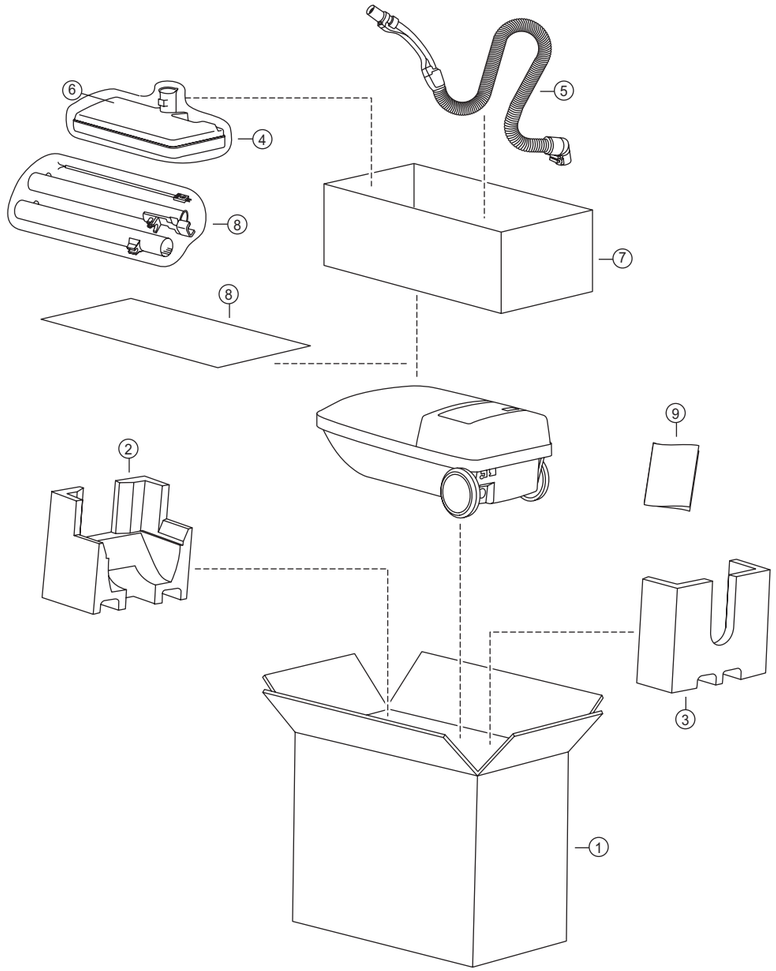
(Fig. 10)

PARTS LIST (CANISTER AND MOTOR ASSEMBLY)… B BLOCK

Ref. No.	Part Name & Description	Part No.	Quantity	Remarks
B – 1	Canopy Cover	AC48HCBWZBUD	1	
B – 2	Frame, Cord Lock	AC58NABFZVØ7	1	
B – 3	Button, Toggle	ACØ1EAFNZVØ7	1	
B – 4	Spring, Cord Lock	AMC414-9726	1	
B – 5	Switch, Toggle	AMC415-2559	1	
B – 6	Lead Switch Black	AMC706-941	1	
B – 7	Filter, Rear Exhaust	AMC7Ø6-389	1	
B – 8	Motor Protector (Shield)	AMC415-3813	1	
B – 9	Tie, Cable	AMC596-7Ø2	1	
B – 10	Screw #10-16 x 3/4	AC68ABJCZØØØ	4	
B – 11	Plate, Motor Mount	AMC7Ø6-Ø11	1	
B – 12	Mount, Motor	AMC7Ø6-821	1	
B – 13	Motor	AC92FBJCZØØØ	1	
B – 14	Brush, Motor	AMC27F-TAZØØØØ	1 (Set)	
B – 15	Cord Lock	AMC748-ØØ5	1	
B – 16	Screw #8-18 x 1 7/8	AMC681-55Ø	2	
B – 17	Canopy	AC50HABFZVØ7	1	
B – 18	*Cord Reel	AMC99NBJCZVØ6	1	
B – 19	Wire Nut	AMC415-446Ø	2	
B – 20	Wheel, Rear	ACØCCBVZVØ7	2	
B – 21	Lower Body	ACØ3AGFZVØ7	1	
B – 22	Filter, Safety	AMC415-2969	1	
B – 23	Furniture Guard	AC31ACBVZVØ7	1	
B – 24	Receptacle	AC9ØEATTZVØ6	1	
B – 25	Pin, Caster Retainer	AMC7Ø6-884	1	
B – 26	Wheel, Caster	AC27CACCZVØ7	1	
B – 27	Caster, Swivel Assembly	AC93CACCZV07	1	
B – 28	Spring, Brake Button	AC71NGFZØØ	1	
B – 29	Hood (Open)	AC6ØKGFZBØD	1	
B – 30	Release, Lid	ACØ1DAXAZVØ7	1	
B – 31	Crevice Tool	AC6ØRAKZZVØ6	1	
B – 32	Floor Brush	AC96RMUZVØ6	1	
B – 33	Dusting Brush	AC88RAKZZVØ6	1	
B – 34	Fabric Brush	AC86RAKZZVØ6	1	
B – 35	Bag, Dust	AC16KGFZØØ	1	
B – 36	Mount, Bag	AMC415-58ØØ	1	Includes B-37, B-38
B – 37	Gasket, Port	AMC7Ø6-Ø17	1	
B – 38	Spring, Bag Mount	AMC7Ø6-Ø24	1	
B – 39	Insert, Strike	AC23KAKZZVØ7	1	
B – 40	Button, Cord Reel	AC46NAFNZVØ7	1	
B - 42	Lead Fuse Assemby	AC99WBRAZØØØ	1	

To replace Power Cord the Cord Reel Assembly must be ordered B-18.

■ EXPLODED VIEW (PACKING MATERIALS)



■ PARTS LIST (PACKING MATERIALS)

Ref. No.	Part Name & Description	Part No.	Quantity	Remarks
1	Individual Carton	AC61ZCBVZØUØ	1	
2	Cushion “A”	AC69ZVHZØØ	1	
3	Cushion “B”	AC70ZVHZØØ	1	
4	Foam (Power Nozzle)	AMC414-7959	1	
5	Hose Assembly	AC94PAMFZVØ6	1	
6	Power Nozzle	AC5ØXCBVZBØD	1	
7	Corrugated Sheet	AMC752-892	1	
8	Foam (Canister, Wands)	AMC414-796Ø	2	
9	Operating Instructions	ACØ1ZCBVZØØØ	1	

■ SERVICE PROCEDURE (POWER NOZZLE)

WARNING

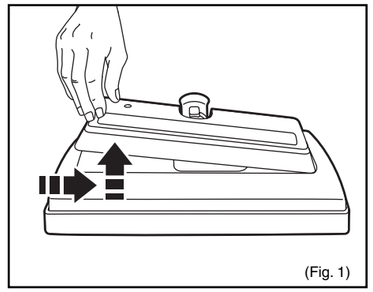
ELECTRICAL SHOCK HAZARD

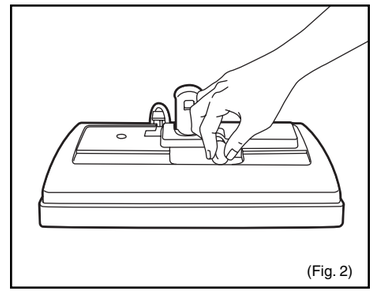
Disconnect electrical supply before servicing or cleaning the unit. Failure to do so could result in electrical shock or personal injury.

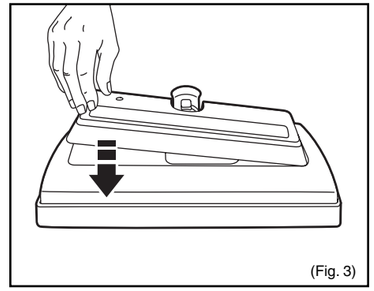
■ HEADLIGHT REPLACEMENT

1. Press in and lift at the same time on one side of the light cover to release the locking tab, then remove cover and light lens, (Fig. 1).
2. Push in and turn the light bulb to remove. Replace with 15-watt bayonet-base type light bulb, (Fig. 2).
3. Replace the light cover and lens, (Fig. 3).

NOTE: Be sure red belt protector button extension is in place and aligned in cover opening.

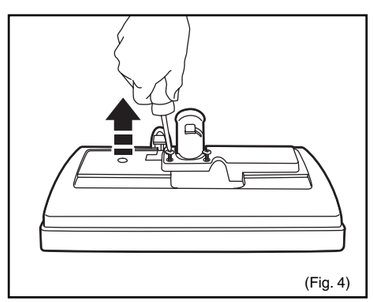

(Fig. 1)

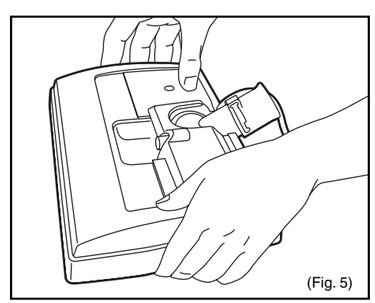

(Fig. 2)

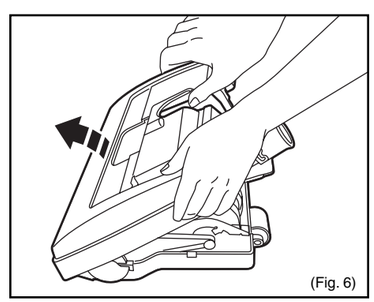

(Fig. 3)

■ BELT REPLACEMENT

1. Remove headlight cover and headlight lens, (see 1.0 Headlight Replacement Fig. 1).
2. Take out two (2) screws to remove nozzle cover, (Fig. 4).
3. Grasp both sides of the cover and flex outward to release the side tabs, (Fig. 5).
4. Tilt the cover forward to free the front tabs, (Fig. 6).


(Fig. 4)


(Fig. 5)


(Fig. 6)